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26 May 1966

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REFERENCE:  ZAGORSK ROCKET ENGINE TEST FACILITY
KRASNOVODSK, USSR

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1. SIGNIFICANCE:

A HORIZONTAL TEST BUILDING CONTAINING 2 TEST CELLS AND A SMALL TEST POSITION ARE NEWLY IDENTIFIED. TWO MASSIVE POSSIBLE MULTIPLE POSITION TEST BUILDINGS ARE IDENTIFIED UNDER CONSTRUCTION IN THE PREVIOUSLY REPORTED TEST SITE UNDER CONSTRUCTION AND ARE CONNECTED TO A LARGE SUSPECT LIQUID HYDROGEN PRODUCTION BUILDING.

2. REMARKS:

LIQUID HYDROGEN IS A HIGH THRUST CRYOGENIC FUEL USED IN THE U.S. TO POWER UPPER STAGE PROPULSION UNITS FOR SPACE VEHICLES. IN ADDITION, THIS FUEL IS BEING USED IN THE U.S. NUCLEAR ROCKET PROPULSION PROGRAM.

THE ZAGORSK TEST SITE IS THE MAJOR DEVELOPMENTAL/ACCEPTANCE TEST FACILITY FOR ROCKET ENGINES AND MISSILE ASSEMBLIES DEVELOPED BY THE GUIDED MISSILE ENGINE PLANT 456 AND NII/PLANT 88, MOSCOW.

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WHEN FIRST SEEN IN 1961 THE TEST FACILITY CONSISTED OF 4 OPERATIONAL TEST STANDS. SINCE 1963 SIGNIFICANT EXPANSION OF THE FACILITY HAS OCCURED AND WITHIN THE ORIGINAL AREA NEW CONSTRUCTION AND MODIFICATIONS HAVE BEEN OBSERVED. SIGNIFICANT CONSTRUCTION AND MODIFICATION TOOK PLACE AT TEST STAND NO 1 AND WITHIN ITS TECHNICAL SUPPORT AREA DURING 1963-64. THESE CHANGES INCLUDED THE WIDENING OF THE TEST STAND ACCESS RAMP, THE DOUBLING IN SIZE OF THE ASSEMBLY/CHECKOUT BUILDING, AND THE CONSTRUCTION OF SEVERAL RAIL SPURS. EXPANSION EAST OF THE ORIGINAL AREA HAS BEEN OBSERVED SINCE JUN 64. GROUND SCARING, EXCAVATIONS, BUILDINGS UNDER CONSTRUCTION, NEW ROADS, ETC, HAVE BEEN OBSERVED WITHIN THIS AREA AS CONSTRUCTION PROGRESSED THROUGHOUT 1964-65 AND EARLY 66.

3. LOCATION:

2.5 NM SE OF KRASNOVODSK AND 7.5 NM NE OF ZAGORSK.

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4. COLLATERAL/COMINT: NONE

5. FIRST IDENTIFICATION: 

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6. NEGATION DATE: NONE

7. SUBSEQUENT COVERAGE: 22 KH-4 AND ONE KH-7 MISSIONS

8. DIMENSIONS/SPECIFICATIONS: NONE

9. MISSION READOUT: A HORIZONTAL TEST BUILDING CONTAINING 2 TEST CELLS IS IDENTIFIED BETWEEN TEST STANDS NO 1 AND NO 4, AND A SMALL TEST POSITION IS IDENTIFIED IMMEDIATELY EAST OF TEST STAND NO 3, BOTH THESE STRUCTURES WERE UNDER CONSTRUCTION IN SEP 63 AND COMPLETED BY SEP 64. THE PREVIOUSLY OBSERVED POSSIBLE TEST SITE UNDER CONSTRUCTION LOCATED IN THE EASTERN PORTION OF THE FACILITY CAN NOW BE SEEN TO CONTAIN A CENTRALLY LOCATED ROW OF SMALL SPHERICAL TANKS. OVERHEAD PIPELINES RADIATE FROM THESE TANKS TO 6 BUILDINGS, 2 OF WHICH ARE IDENTIFIED AS MASSIVE POSSIBLE MULTIPLE POSITION TEST BUILDINGS UNDER CONSTRUCTION, AND ALSO TO A LARGE SUSPECT LIQUID HYDROGEN PRODUCTION BUILDING. A LARGE TRANSFORMER YARD, FORCED DRAFT COOLING TOWER, LARGE GAS HOLDER,

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AND A LIQUID STORAGE TANK ARE LOCATED NEARBY.

NO CURRENT TEST ACTIVITY IS VISIBLE AT THE 4 VERTICAL TEST STANDS. NINE SMALL RAIL CARS (ONE OF WHICH IS ABSENT ON THE EARLIEST PASS) ARE ON THE LARGE RAMP LEADING TO TEST STAND NO 1. FOUR CYLINDRICAL OBJECTS APPROXIMATELY  ARE ALSO LOCATED ON THE RAMP NEAR THE LARGE CHECKOUT/ASSEMBLY BUILDING. ANOTHER CYLINDRICAL OBJECT APPROXIMATELY 40 FT LONG IS ON A RAIL SPUR NEAR A HIGH BAY SUPPORT BUILDING. AN AIR LIQUEFACTION PLANT IS IDENTIFIED IMMEDIATELY SOUTH OF THE CHECKOUT/ASSEMBLY BUILDING. NUMEROUS RAIL CARS, VEHICLES, AND PIECES OF EQUIPMENT ARE SCATTERED THROUGHOUT THE FACILITY. CONSTRUCTION IS CONTINUING IN THE HOUSING AREA AND THE POSSIBLE TEST SITE.

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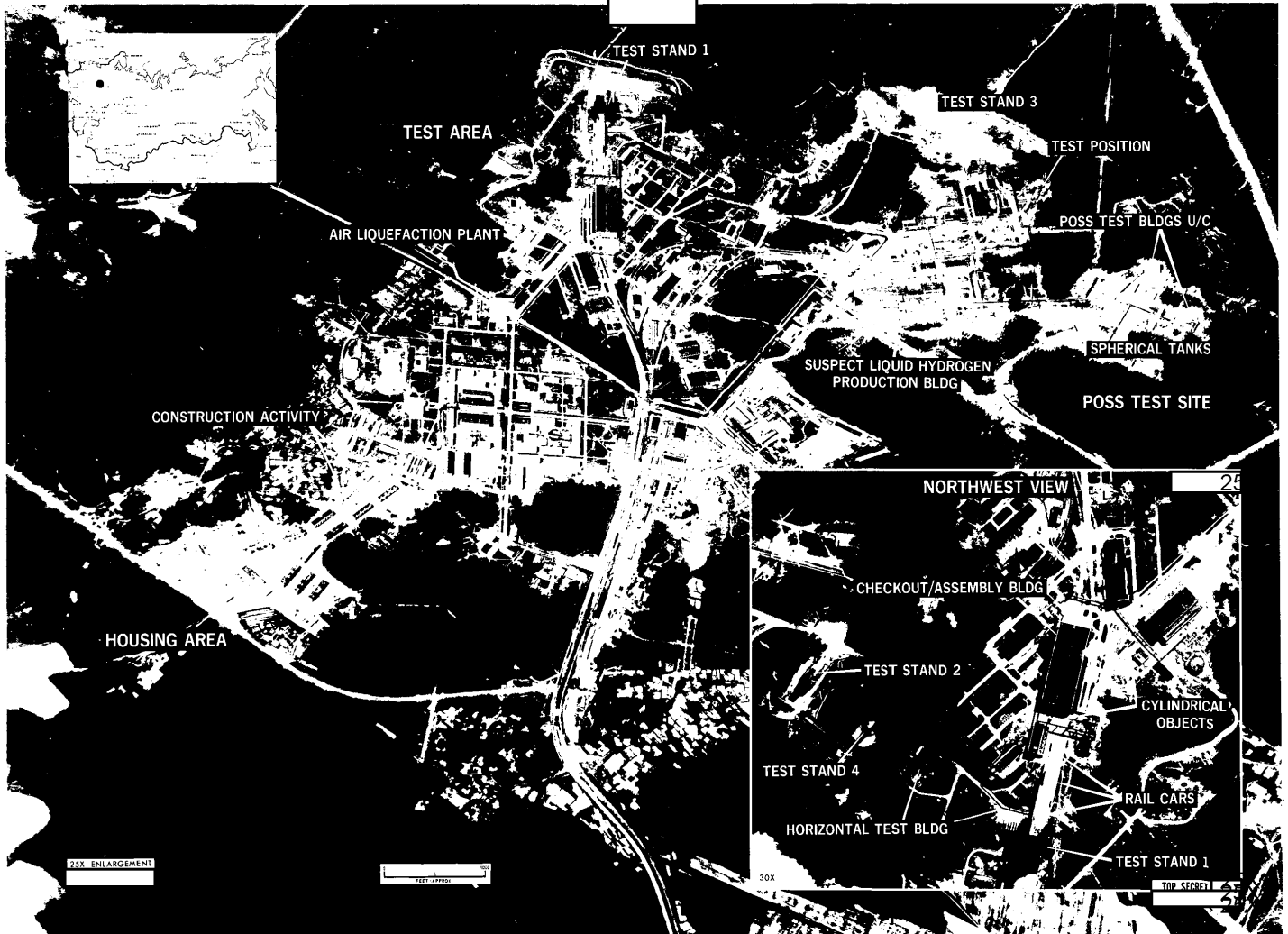
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